

PARTICLES FOR USE IN A DETECTION SYSTEM

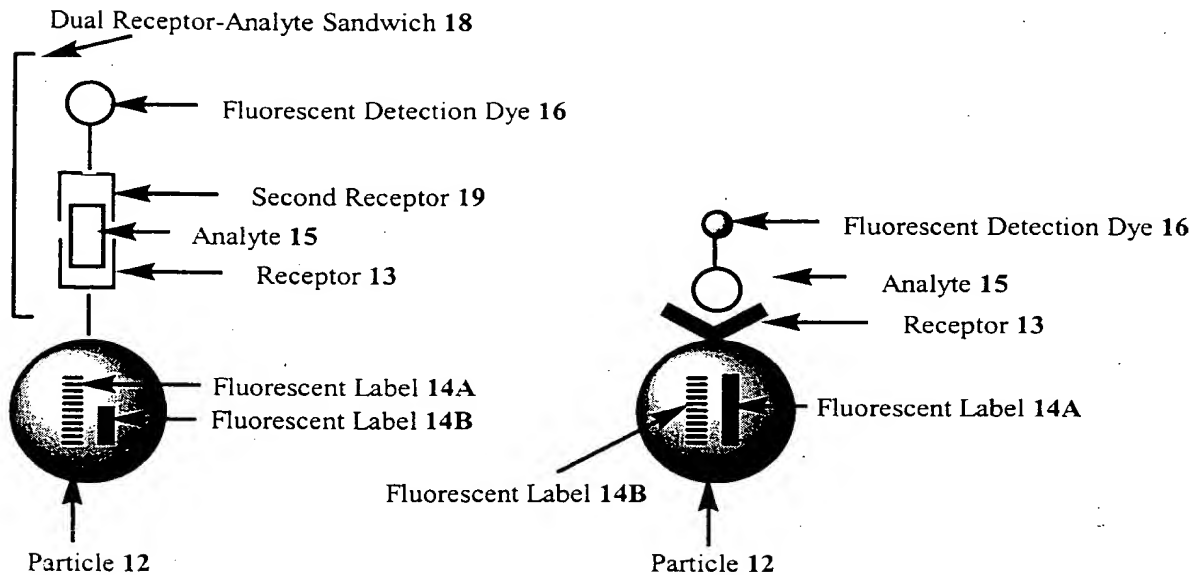


Figure 1A

Figure 1B

FIGURE 1

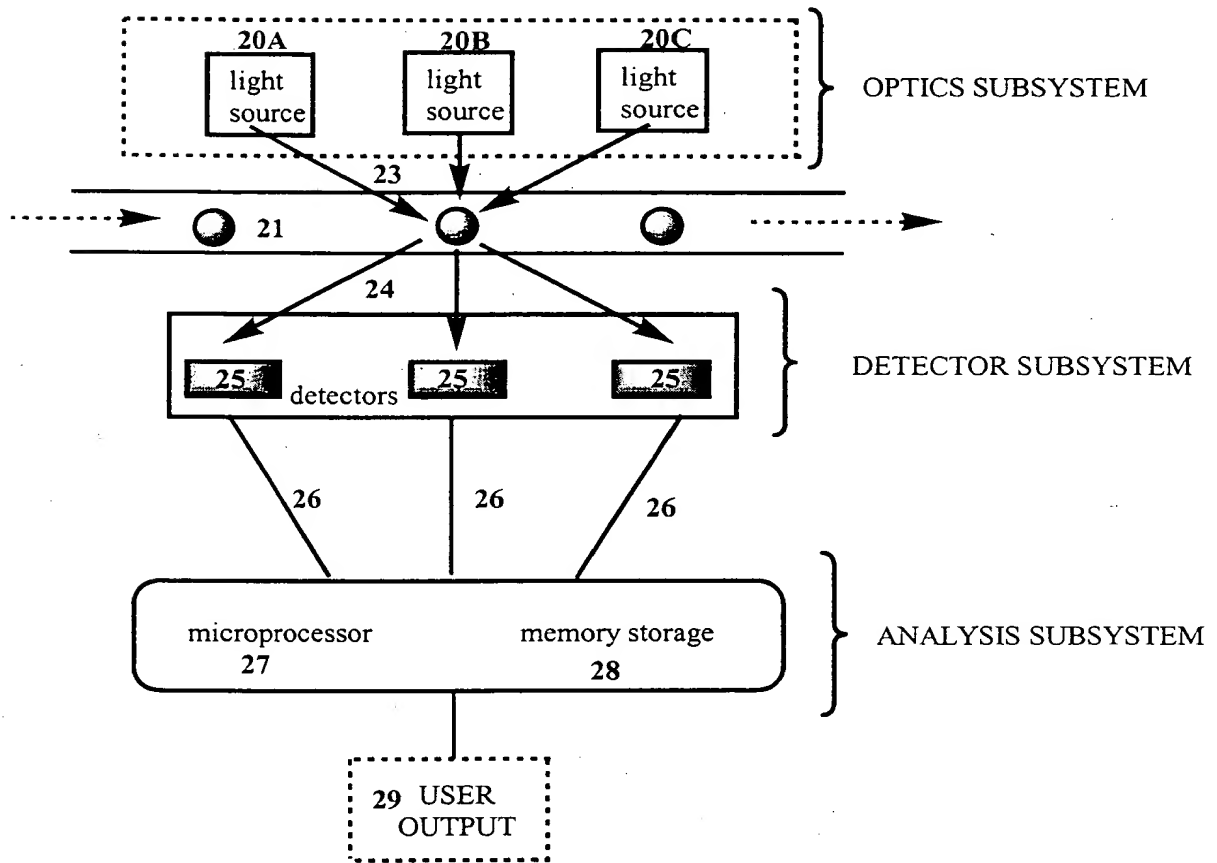


FIGURE 2

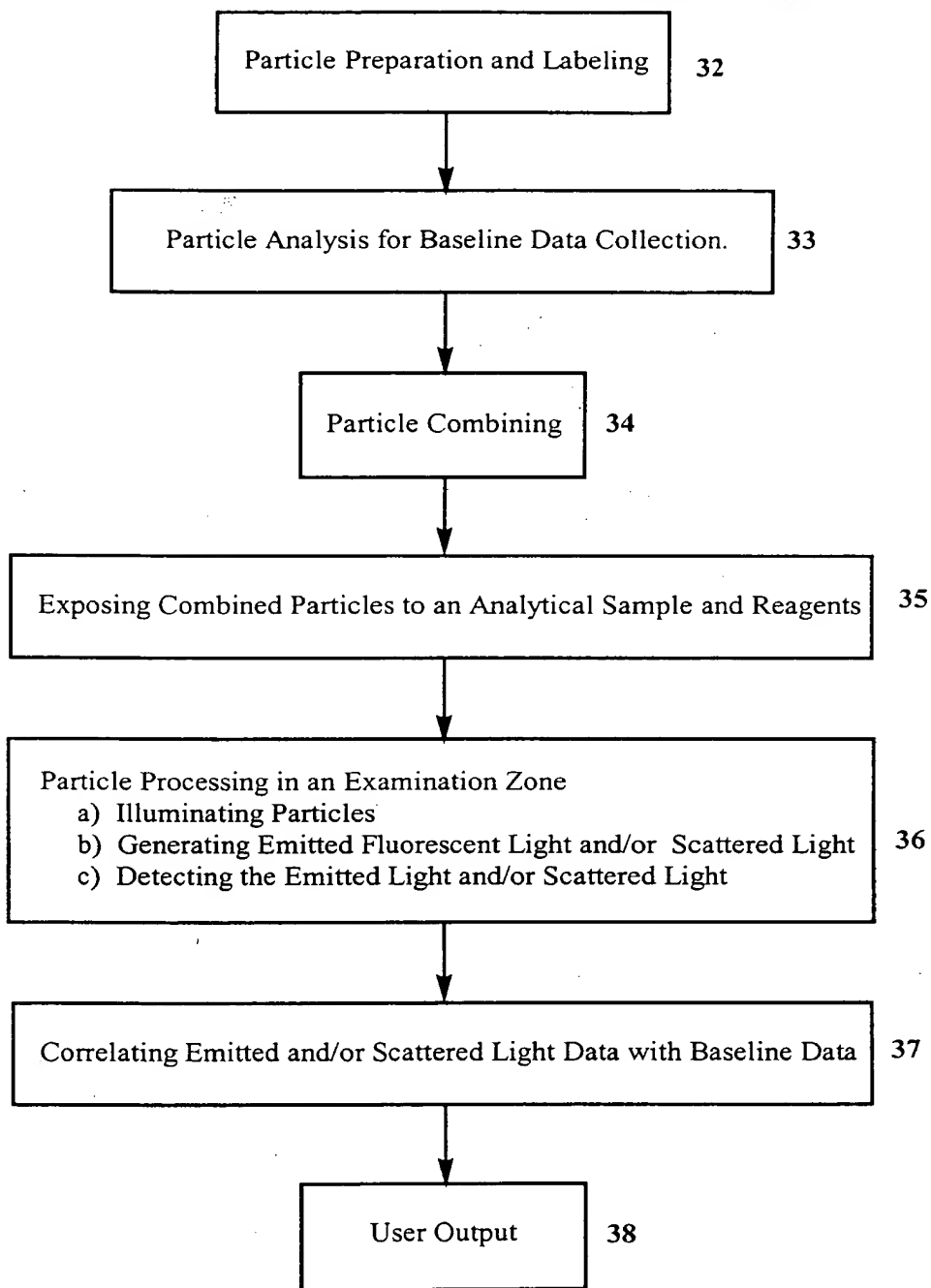


FIGURE 3

EMISSION SPECTRA OF IR792 PERCHLORATE IN METHYLENE CHLORIDE
FOR TWO-MONTH PERIOD (STABILITY STUDY)

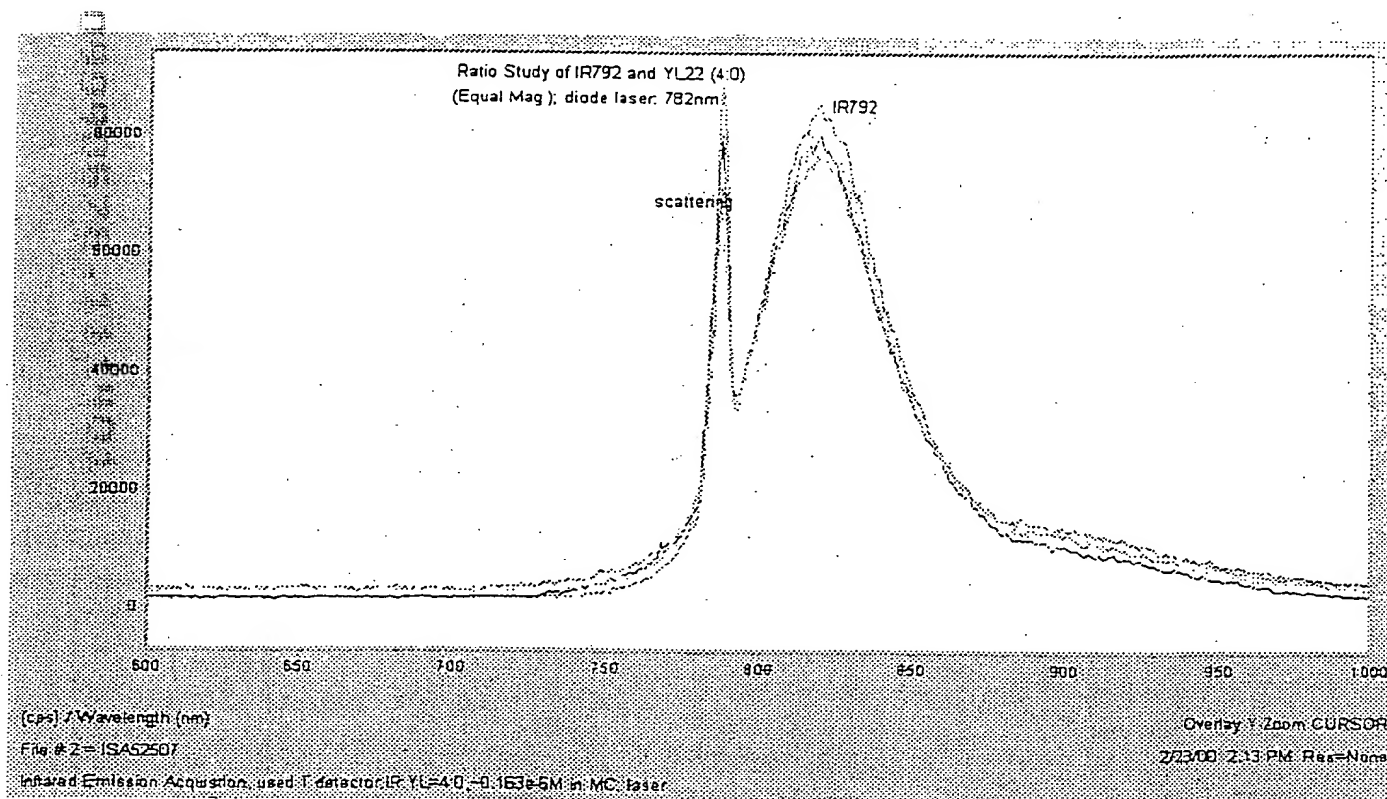


FIGURE 4

EMISSION SPECTRA OF COMPOUND 6 IN METHYLENE
CHLORIDE FOR TWO-MONTH PERIOD (STABILITY STUDY)

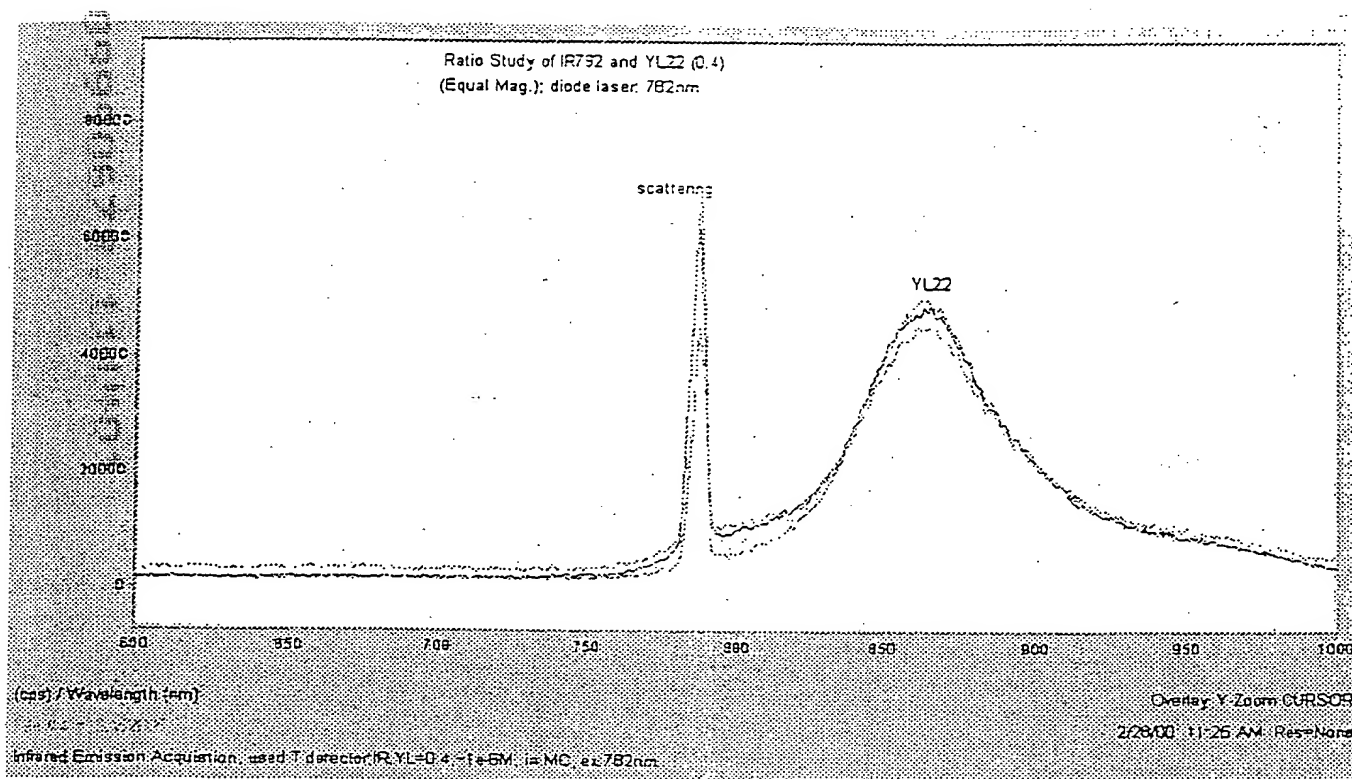


FIGURE 5

EMISSION SPECTRA OF IR792 PERCHLORATE AND COMPOUND
6 IN METHYLENE CHLORIDE

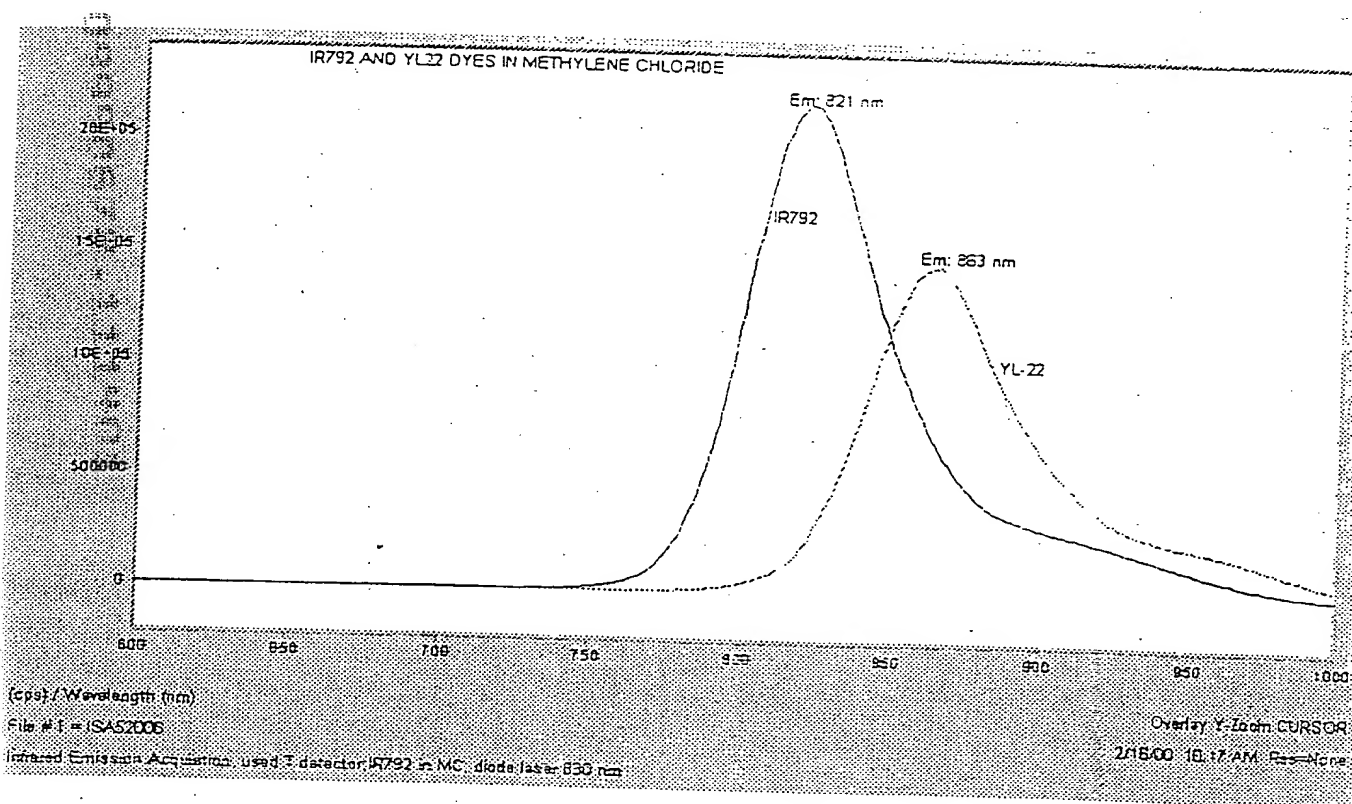


FIGURE 6

EMISSION SPECTRA OF IR792 PERCHLORATE AND COMPOUND
6 MIXTURE IN METHYLENE CHLORIDE.

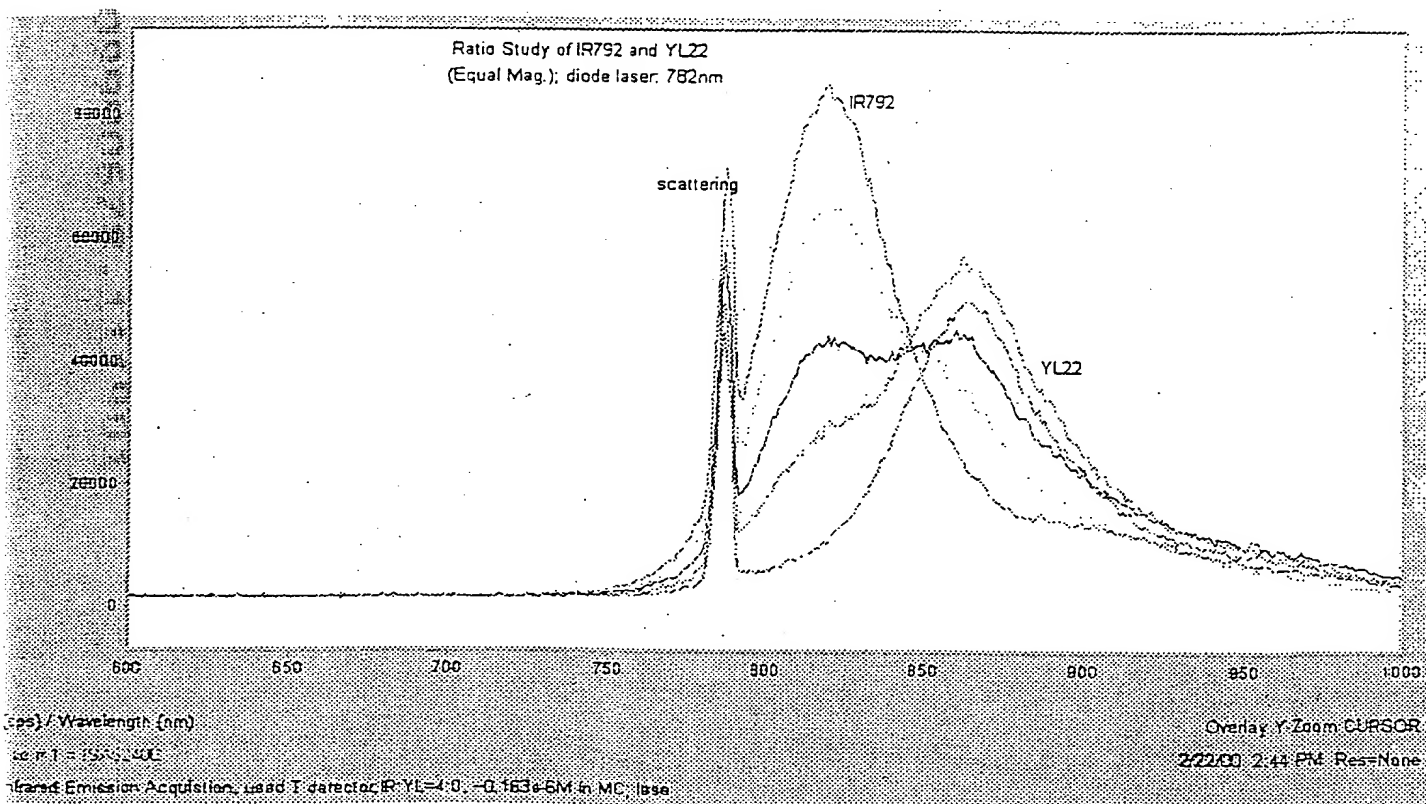


FIGURE 7

EMISSION SPECTRA OF ETH 5294 AND IR792 PERCHLORATE
MIXTURE IN METHYLENE CHLORIDE. EXCITATION
WAVELENGTH IS AT 539 nm

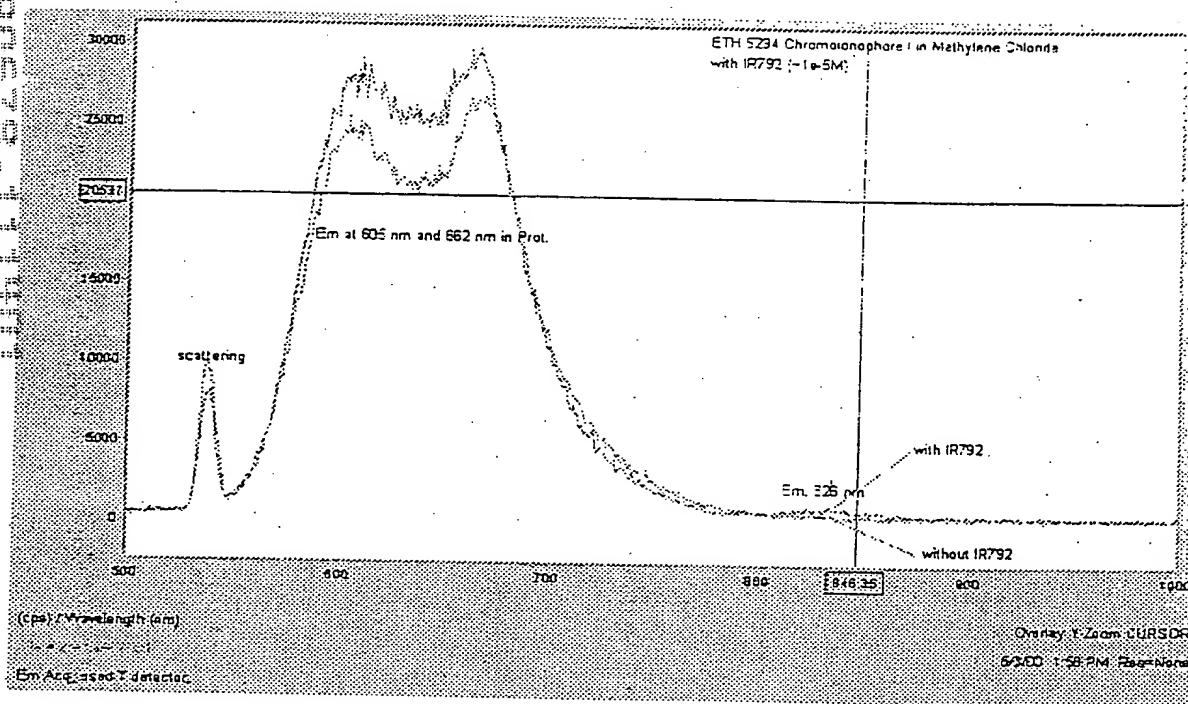


FIGURE 8

EMISSION SPECTRA OF ETH 5294 AND COMPOUND 6 MIXTURE
IN METHYLENE CHLORIDE. EXCITATION WAVELENGTH IS
AT 539 nm

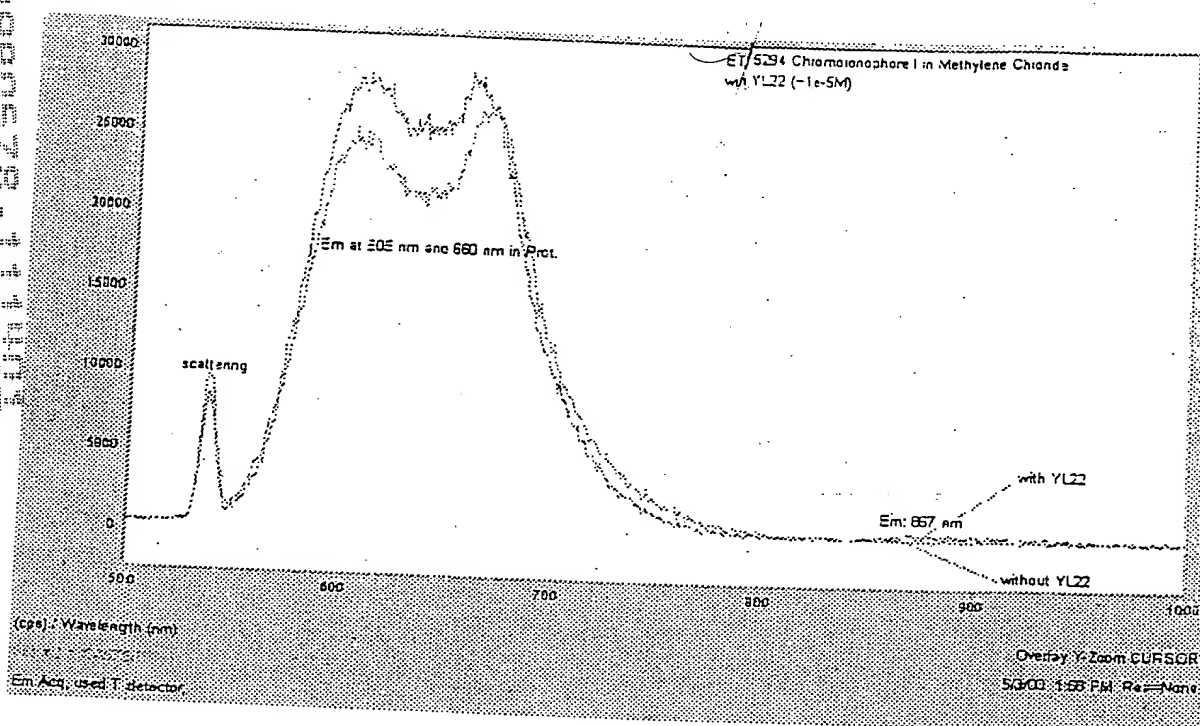


FIGURE 9

UNCORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE
PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF
COMPOUND 5a.

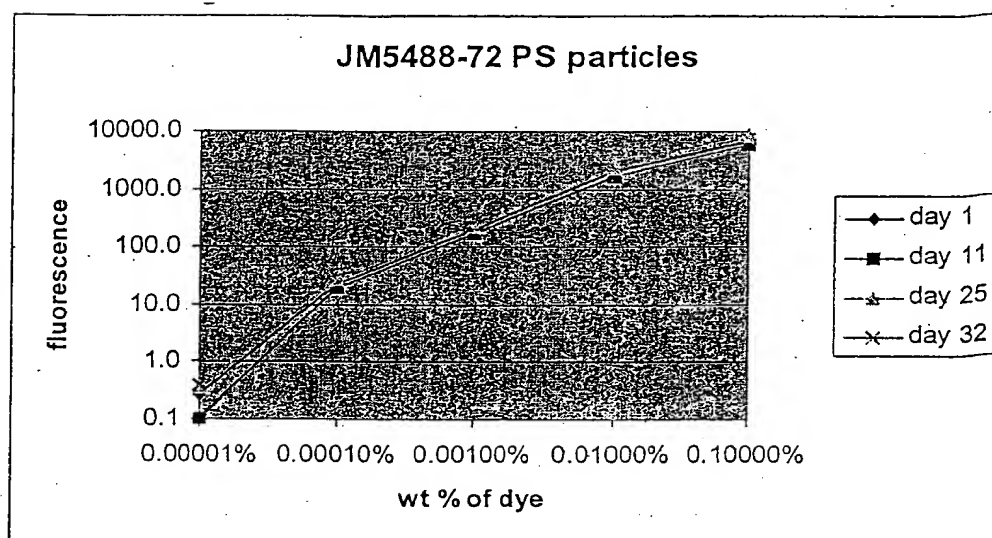


FIGURE 10

CORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE
PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF
COMPOUND 5b. MEASUREMENTS WERE MADE OVER 35 DAYS
IN THE PROTOTYPE CyXL FLOW CYTOMETER

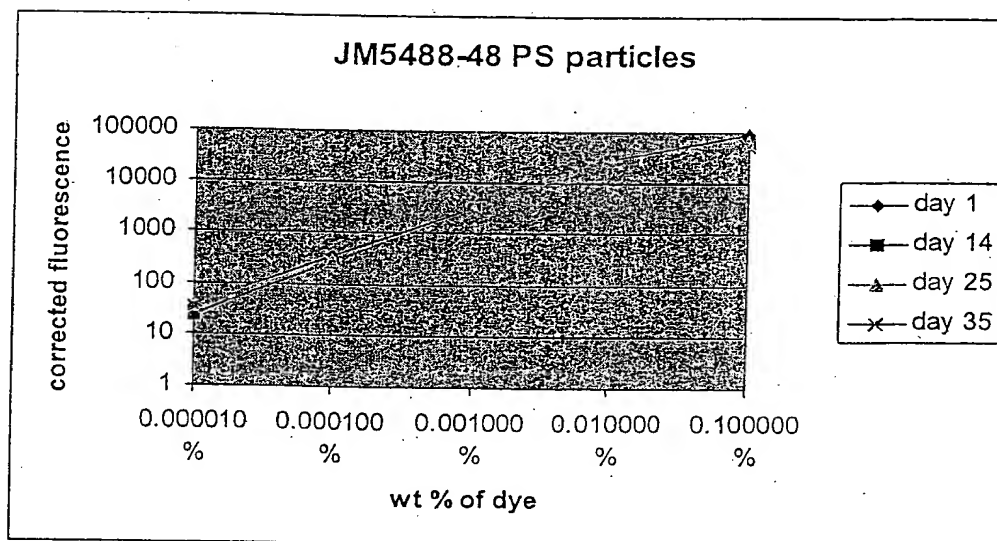


FIGURE 11

CORRECTED FLUORESCENCE SIGNALS OF POLYSTYRENE
PARTICLES CONTAINING DIFFERENT CONCENTRATIONS OF
COMPOUND 5d

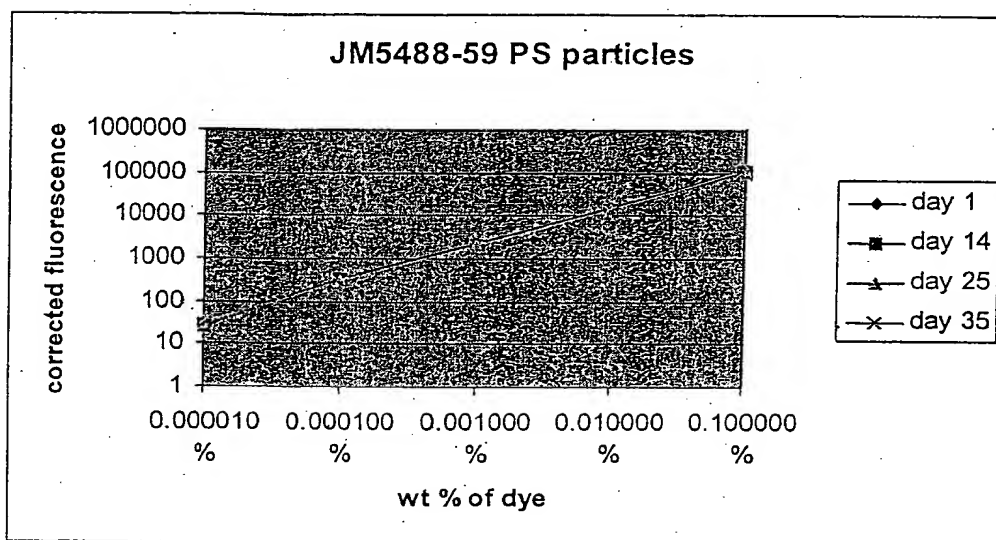
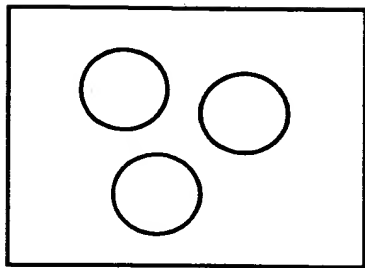
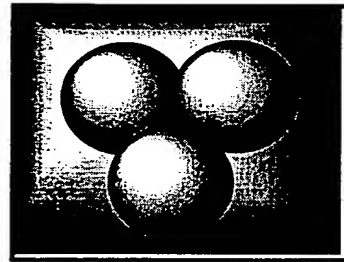
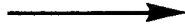


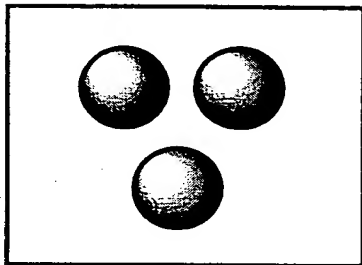
FIGURE 12



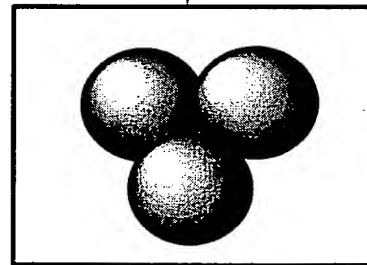
5.5 micron beads in water



dyes diffused into beads after
22 hours in chloroform



beads shrink to original size
after 72 hours with dyes



beads soaked in water
and dye is retained

FIGURE 13